



**California Environmental Protection Agency
Department of Toxic Substances Control**

~~Draft~~ HAZARDOUS WASTE FACILITY PERMIT

Permit Number: **06-GLN-14**

Facility Name:

Boeing Satellite Systems, Inc.
999 N. Sepulveda Boulevard
1920 E. Imperial Highway
1950 E. Imperial Highway
940 N. Selby Street
930 N. Selby Street
El Segundo, California 90245

Facility EPA ID Number:

CAD060897063

Date of Issuance: **March 6, 2007**

Effective Date: **April 10, 2007**

Expiration Date: **April 10, 2017**

Owner Name:

Boeing Satellite Systems, Inc.
999 N. Sepulveda Boulevard
El Segundo, California 90245

Operator Name:

Boeing Satellite Systems, Inc.
999 N. Sepulveda Boulevard
El Segundo, California 90245

Pursuant to Section 25200 of the California Health and Safety Code, this RCRA-equivalent Hazardous Waste Facility Permit is hereby issued to: Boeing Satellite Systems, Inc.

The Issuance of this Permit is subject to the conditions set forth in Attachment A and the Part "B" Application (Operation Plan) dated May 15, 2006. The Attachment A consists of 18 pages, not including Figures 1 and 2.

Jose Kou, P.E., Chief
Southern California Permitting and
Corrective Action Branch
Department of Toxic Substances Control

Date: _____

**BOEING SATELLITE SYSTEMS
999 NORTH SEPULVEDA BOULEVARD
EL SEGUNDO, CALIFORNIA 90245**

**HAZARDOUS WASTE FACILITY PERMIT
ATTACHMENT "A"
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HAZARDOUS WASTE FACILITY PERMIT

**BOEING SATELLITE SYSTEMS
999 NORTH SEPULVEDA BOULEVARD
EL SEGUNDO, CALIFORNIA 90245
USEPA ID NO.: CAD060897063**

PART I. DEFINITIONS

All terms used in this Permit shall have the same meaning as those terms have in the California Health and Safety Code, division 20, chapter 6.5 and California Code of Regulations, title 22, division 4.5, unless expressly provided otherwise by this Permit.

1. **“DTSC”** as used in this Permit means the California Department of Toxic Substances Control.
2. **“Permittee”** as used in this Permit means the Owner and Operator.
3. **“HSC”** as used in this Permit means the Health and Safety Code.
4. **“CCR”** as used in this Permit means the California Code of Regulations.
5. Unless explicitly stated otherwise, all references to items in this Permit shall refer only to items occurring within the same part.

PART II. DESCRIPTION OF THE FACILITY AND OWNERSHIP

1. Owner
Boeing Satellite Systems, Inc.
999 N. Sepulveda Boulevard
El Segundo, California 90245

Mailing address:
Boeing Satellite Systems, Inc.
P.O. Box 92919, S12/W356
El Segundo, California 90245
2. Operator
Boeing Satellite Systems, Inc.
999 N. Sepulveda Boulevard
El Segundo, California 90245
3. Location
The Boeing Satellite Systems (BSS) facility is located on five (5) addresses: 999 N. Sepulveda Blvd., 1920 E. Imperial Hwy, 1950 E. Imperial Hwy, 940 N. Selby Street, and 930 N. Selby Street, El Segundo, California 90245. The 999 N. Sepulveda Blvd. address is the main office and the rest of the remaining addresses are the physical locations of the four (4) permitted hazardous waste management units and are in a contiguous property. Figure 1 shows the site location and surrounding topography. The site occupies approximately 77.5 acres in an industrial area. Figure 2 presents the general layout of the Facility. The site is located at Latitude: 33° 55' 22", Longitude: 118° 23' 45" in Section 7 of Township 3S, Range 14W (Los Angeles).
4. Description
The Company has been in operation since 1978. It is engaged in the design and production of communications satellites. It also manufactures electronic units, propulsion units and several related parts and components that are used in satellites.

The company generates hazardous wastes from the manufacture and assembly of satellite communication hardware and electronic components. These wastes include acidic and alkaline solutions containing heavy metals, halogenated and non-halogenated solvents, paint sludges and thinners, rags, Q-tips and K-drys containing trace halogenated and non-halogenated solvents, miscellaneous laboratory waste chemicals and waste oils from machine-cutting operations and equipment maintenance.

BSS is an onsite/offsite facility, where its hazardous waste storage units are used to store hazardous waste generated onsite as well as hazardous waste generated offsite from its supporting organizations within the Boeing Company.

BSS does not treat any of these wastes but only stores them in containers that conform to Department of Transportation (DOT) specifications and ships them to off-site facilities for recycling, treatment or disposal.

Only four hazardous waste storage units, S-12, S-15, S-16, S-17 (Area I and 2) are included in this permit. Any unit, except S-17 Area 2 (solid waste storage area only), can be used to store hazardous materials along with hazardous wastes, as long as they are compatible and the permitted storage capacity is not exceeded.

These storage units are and will be regulated pursuant to State Hazardous Waste Control Law, and its implementing regulations.

5. Facility History

A Hazardous Waste Facility Permit was issued on February 6, 1993 and expired February 6, 2003. The following is a list of modifications during the 10 operating year period.

a) December 19, 2000: Class-I permit modifications

-Change in the facility's name from Hughes Space and Communications Company to Boeing Satellite Systems, Inc.

-Change in the Job Title/Description Summary and the Emergency Notification List in the Contingency Plan.

b) May 12, 2004: Class-I permit modifications

-Change in the Job Title/Description Summary and the Emergency Notification List in the Contingency Plan.

6. Facility Size and Type for Fees Purposes

The facility is categorized as a medium storage facility for purposes of Health and Safety Code, section 25205.19.

7. Site and Storage Units Map – Figures 1 and 2

PART III. GENERAL CONDITIONS

1. PERMIT APPLICATION DOCUMENTS

- (a) The Part "A" Application dated January 3, 2003 and the Part "B" Application (Operation Plan) dated May 15, 2006 are hereby made a part of this Permit by reference.

2. EFFECT OF PERMIT

- (a) The Permittee shall comply with the provisions of the Health and Safety Code, Chapter 6.5, and division 4.5 of California Code of Regulations, title 22. The issuance of this Permit by DTSC does not release the Permittee from any liability or duty imposed by federal or state statutes or regulations or local ordinances, except the obligation to obtain this Permit. The Permittee shall obtain the permits required by other governmental agencies, including but not limited to, the applicable land use planning, zoning, hazardous waste, air quality, water quality, and solid waste management laws for the construction and/or operation of the Facility.
- (b) The Permittee is permitted to store hazardous wastes in accordance with the conditions of this Permit. Any treatment or storage of hazardous wastes not specifically authorized in this Permit is strictly prohibited
- (c) Compliance with the terms of this Permit does not constitute a defense to any action brought under any other law governing protection of public health or the environment, including, but not limited to, one brought for any imminent and substantial endangerment to human health or the environment.
- (d) DTSC's issuance of this Permit does not prevent DTSC from adopting or amending regulations that impose additional or more stringent requirements than those in existence at the time this Permit is issued and does not prevent the enforcement of these requirements against the Permittee.
- (e) Failure to comply with any term or condition set forth in the Permit in the time or manner specified herein will subject the Permittee to possible enforcement action including but not limited to penalties pursuant to Health and Safety Code, section 25187.
- (f) In addition, failure to submit any information required in connection with the Permit, or falsification and/or misrepresentation of any submitted information, is grounds for revocation of this Permit (Cal. Code of Regs., title 22, §66270.43).

- (g) In case of conflicts between the Operation Plan and the Permit, the Permit conditions take precedence.
- (h) This Permit includes and incorporates by reference any conditions of waste discharge requirements issued by the State Water Resources Control Board or any of the California Regional Water Quality Control Boards and any conditions imposed pursuant to section 13227 of the Water Code.

3. COMPLIANCE WITH CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

A CEQA Notice of Exemption has been prepared in the accordance with the requirements of Public Resources Code Section 21000 et seq. and the CEQA Guidelines, Section 15070 et seq. of Title 14, California Code of Regulations.

4. WASTE MINIMIZATION CERTIFICATION

The Permittee shall comply with the Hazardous Waste Source Reduction and Management Review Act under Senate Bill #14 (SB14) requirements that are specified in the Health and Safety Code (H&SC), sections 25244.19, 25244.20 and 25244.21, and any subsequent applicable statutes or regulations promulgated there under.

This would include the submittal of an SB14 Summary Progress Report to DTSC as required by H&SC section 25244.19(b)(10). Additional documents required in accordance with SB14), shall be submitted to DTSC upon request.

DTSC may require the Permittee to submit a more detailed status report explaining any deviation from, or changes to the reviewed SB14's plan.

If DTSC requests from the Permittee to submit the SB14's Plan, a certification that the Permittee "has implemented, is implementing, or will be implementing, the source reduction measures identified in the review and plan according to the implementation schedule" should be contained pursuant to Title 22, Cal. Code of Regs, section 67100.4(c).

5. WASTE MINIMIZATION CONDITIONS

Pursuant to HSC, section 25202.9 the Permittee shall certify annually, by March 1 for the previous year ending December 31, that:

- (a) The facility has a program in place to reduce the volume and toxicity of all hazardous wastes listed in Section III of the approved Operation Plan dated February 2003 which are generated by the facility operations.

A waste minimization "program in place" can be demonstrated by complying with either the Hazardous Waste Source Reduction and Management Review Act (known as SB14) documents requirements or other equivalent waste minimization program.

- (b) The method of storage or treatment is the only practicable method or combination of methods currently available to the facility which minimizes the present and future threat to human health and the environment.

The Permittee shall make this certification, in accordance with Cal. Code Regs., title 22, §66270.11. The Permittee shall submit the certification to the Chief of the Southern California Permitting and Corrective Action Branch and shall record and maintain onsite such certification in the facility Operating Record.

6. SAMPLING/ACCESS

(a) Sampling

- (1) The Permittee shall provide confirmatory samples to DTSC within the time requested by DTSC to determine if there is a threat to human health and/or the environment. The sampling shall be done in accordance with guidance that DTSC supplies to the Permittee.
- (2) The Permittee shall notify DTSC in writing at least fourteen (14) days prior to beginning any confirmatory sampling requested by DTSC. If the Permittee believes it must commence emergency confirmatory sampling without delay, the Permittee may seek emergency telephone authorization from DTSC's Permitting and Corrective Action Branch Chief or, if the Branch Chief is unavailable, his/her designee to commence such activities immediately. At the request of DTSC, the Permittee shall provide or allow DTSC or its authorized representative to take split or duplicate samples of all samples collected by the Permittee pursuant to Part VI of this Permit.
- (3) The Permittee shall submit to DTSC upon request the results of all sampling and/or tests or other data generated by its employees, divisions, agents, consultants or contractors pursuant to this Permit.
- (4) Notwithstanding any other provisions of this Permit, DTSC retains all information gathering and inspection authority rights including enforcement actions related thereto, under Health & Safety Code and any other applicable State or federal statutes or regulations.

(b) Access

- (1) DTSC, its contractors, employees, agents, and/or any United State Environmental Protection Agency representatives are authorized to enter and freely move about the facility pursuant to the entire Permit for the purposes of interviewing Facility personnel and contractors; inspecting records, operating logs, and contracts relating to the Facility; reviewing progress of the Permittee in carrying out the terms of Part VI of the Permit; conducting such testing, sampling, or monitoring as DTSC deems necessary; using a camera, sound recording, or other documentary-type equipment; verifying the reports and data submitted to DTSC by the Permittee; or confirming any other aspect of compliance with this Permit and Division 20, Chapter 6.5 of the Health and Safety Code. The Permittee shall provide DTSC and its representatives access at all reasonable times to the Permittee's Facility and any other property to which access is required for implementation of any provision of this Permit and any provision of Division 20, Chapter 6.5 of the Health and Safety Code and shall allow such persons to inspect and copy all records, files, photographs, documents, including all sampling and monitoring data, that pertain to work undertaken pursuant to the entire Permit or undertake any other activity necessary to determine compliance with applicable requirements.
- (2) To the extent that work being performed pursuant to Part VI of the Permit must be done on property not owned or controlled by the Permittee, the Permittee shall use its best efforts to obtain access agreements necessary to complete work required by this Part of the Permit from the present owner(s) of such property within thirty (30) days of approval of any workplan for which access is required. "Best efforts" as used in this paragraph shall include, at a minimum, a certified letter from the Permittee to the present owner(s) of such property requesting access agreement(s) to allow the Permittee and DTSC and its authorized representatives access to such property and the payment of reasonable sums of money in consideration of granting access. The Permittee shall provide DTSC with a copy of any access agreement(s). In the event that agreements for the access are not obtained within thirty (30) days of approval of any workplan for which access is required, or of the date that the need for access becomes known to the Permittee, the Permittee shall notify DTSC in writing within fourteen (14) days thereafter regarding both efforts undertaken to obtain access and its failure to obtain such agreements. In the event DTSC obtains access, the Permittee shall undertake approved work on such property.
- (3) Nothing in Part VI of the Permit shall be construed to limit or otherwise affect the Permittee's liability and obligation to perform corrective action including corrective action beyond the facility boundary, notwithstanding the lack of access. DTSC may determine that additional on-site measures

must be taken to address releases beyond the Facility boundary if access to off-site areas cannot be obtained.

- (4) Nothing in Part VI of the Permit shall limit or otherwise affect DTSC's right to access and entry pursuant to any applicable State or federal laws and regulations.

PART IV. PERMITTED UNITS AND ACTIVITIES

This Permit authorizes operation only of the facility units and activities listed below. The Permittee shall not treat or store hazardous waste in any unit other than those specified in this Part III. Any modifications to a unit or activity authorized by this Permit require the written approval of DTSC in accordance with the permit modification procedures set forth in California Code of Regulations, title 22.

UNIT NAME:

S-12, Hazardous Waste Storage Area

LOCATION:

1950 E. Imperial Highway
El Segundo, CA 90245

-The hazardous waste storage area is located near the corner of Imperial Highway and Hughes Way.

ACTIVITY TYPE:

Storage of laboratory/process liquid and solid wastes.

ACTIVITY DESCRIPTION:

Unit S-12 is used to store hazardous wastes along with hazardous materials. The hazardous wastes are stored in 5 to 20-gallon containers and 55-gallon drums.

PHYSICAL DESCRIPTION:

The hazardous waste storage area is enclosed, constructed of concrete, has a roof, and is divided into several bays so that incompatible wastes can be stored separately. Each bay has a separate spill containment basin which can hold any spilled waste until it can be pumped out. An impervious sealer and chemically-resistant coating is applied to the floor and containment areas.

MAXIMUM CAPACITY:

3600 gallons

WASTE TYPES:

- Ignitable acids and other compatible acids
- Halogenated solvents
- Ignitable alkalines, and other compatible alkalines
- Other compatible RCRA and non-RCRA organic and inorganic waste
- Ignitable liquids

RCRA HAZARDOUS WASTE CODES:

D001, D002, D003, D005, D006, D007, D008, D009, D011, D035, D040
F001, F002, F003, F005
P030

U002, U003, U075, U145, U188, U213, U220, U223, U239

UNIT NAME:

S-15, Hazardous Waste Storage Area

LOCATION:

1920 E. Imperial Hwy.
El Segundo, CA 90245

-The hazardous waste storage area is located near the corner of Imperial Highway and Selby Street.

ACTIVITY TYPE:

Storage of laboratory/process liquid and solid hazardous wastes.

ACTIVITY DESCRIPTION:

S-15 is used to store hazardous wastes along with hazardous materials. The hazardous wastes are stored in 5 to 20-gallon containers and 55-gallon drums.

PHYSICAL DESCRIPTION:

The hazardous waste storage area is enclosed, constructed of concrete, has a roof, and is divided into several bays so that incompatible wastes can be stored separately. Each bay has a separate spill containment basin which can hold any spilled waste until it can be pumped out. An impervious sealer and chemically-resistant coating is applied to the floor and containment areas.

MAXIMUM CAPACITY:

7600 gallons

WASTE TYPES:

- Acids
- Alkalines
- Acid waste and other compatible RCRA and non-RCRA organic and inorganic waste
- Other compatible RCRA and non-RCRA organic and inorganic waste
- Ignitable solvents
- Cyanides and alkaline cyanide waste

RCRA HAZARDOUS WASTE CODES:

D001, D002, D003, D005, D006, D007, D008, D009, D011, D035, D040
F001, F002, F003, F005
P030
U002, U003, U075, U145, U188, U213, U220, U223, U239

UNIT NAME:

S-16, Hazardous Waste Storage Area

LOCATION:

940 N. Selby Street
El Segundo, CA 90245

-The hazardous waste storage area is located south of hazardous waste storage area S-16.

ACTIVITY TYPE:

Storage of laboratory/process liquid and solid wastes.

ACTIVITY DESCRIPTION:

S-16 is used to store hazardous wastes along with hazardous materials. The hazardous wastes are stored in 5 to 20-gallon containers and 55-gallon drums.

PHYSICAL DESCRIPTION:

The hazardous waste storage area is enclosed, constructed of concrete, has a roof, and is divided into several bays so that incompatible wastes can be stored separately. Each bay has a separate spill containment basin which can hold any spilled waste until it can be pumped out. An impervious sealer and chemically-resistant coating is applied to the floor and containment areas.

MAXIMUM CAPACITY:

1770 Gallons

WASTE TYPES:

- Ignitable solvents
- Ignitable/corrosive mixtures
- Ignitable waste

RCRA HAZARDOUS WASTE CODES:

D001, D002, D003, D005, D006, D007, D008, D009, D011, D018, D021, D035, D040
F001, F002, F003, F005
P030
U002, U003, U075, U145, U188, U213, U220, U223, U239

UNIT NAME:

S-17, Hazardous Waste Storage Area

LOCATION:

930 N. Selby Street
El Segundo, CA 90245

-The hazardous waste storage area is located at the corner of Selby Street and Walnut Avenue.

ACTIVITY TYPE:

Storage of laboratory/process liquid and solid wastes.

ACTIVITY DESCRIPTION:

S-17 is used to store hazardous wastes along with hazardous materials. The hazardous wastes are stored in 5 to 20-gallon containers and 55-gallon drums.

PHYSICAL DESCRIPTION:

This unit has two areas to store hazardous waste. Area 1 is used to store liquid waste and Area 2 is used to store solid waste. In Area 1, the hazardous waste storage area is enclosed, constructed of concrete, has a roof, and is divided into several bays so that incompatible wastes can be stored separately. Each bay has a separate spill containment basin which can hold any spilled waste until it can be pumped out. An impervious sealer and chemically-resistant coating is applied to the floor and containment areas. Area 2 has a berm to contain any spillage during loading and unloading of liquid waste into Area 1 and it also contains any solid waste spillage in this area.

MAXIMUM CAPACITY:

Area 1 - 3050 gallons
Area 2 - 1350 cubic feet

WASTE TYPES:

- Acids and other compatible waste
- Alkalines and other compatible waste
- Other compatible RCRA and non-RCRA organic and inorganic waste
- Ignitable liquids
- Solid waste: Solvent contaminated debris, rags, and cotton swabs, grit blast containing metals.

RCRA HAZARDOUS WASTE CODES:

D002, D005, D006, D007, D008, D009, D011, D035, D040
F001, F002, F003, F005
P098, P106
U002, U003, U075, U145, U188, U213, U220, U223, U239

**PART V. SPECIAL CONDITIONS WHICH APPLY TO ALL OF THE FACILITY'S
STORAGE AND/OR TREATMENT UNITS.**

1) SPECIAL CONDITIONS

- a. The Owner and/or Operator shall maintain and demonstrate to the Department the required financial assurances in accordance with the provisions of 22 CCR 65254.140 through 66264.148, 66264.197, 66264.801 and 66270 40(b).
- b. The Owner and/or Operator shall comply with the general facility standards contained in Title 22, Chapter 14, Article 2.
- c. The Owner and/or Operator shall comply with preparedness and prevention requirements contained in Title 22, Chapter 14, Article 3.
- d. The Owner and/or Operator shall comply with the contingency plan and emergency procedures requirements contained in Title 22, Chapter 14, Article 4.
- e. The Owner and/or Operator shall comply with the manifest system, record keeping and reporting requirements contained in Title 22, Chapter 14, Article 5 and Sections 66270.30(1) (7), (8) and (9).
- f. The Owner and/or Operator shall comply with the closure and post-closure requirements, if applicable, contained in Title 22, Chapter 14, Article 7 and Chapter 14, Article 9.

2) SPECIAL CONDITIONS FOR CLOSURE PLAN

Within 30 days after the effective date of this permit, the facility must provide the following changes to the closure plan section in the Part B permit Application.

- a. Section 9: Soil Sampling Plan of the Closure Plan section will include the rationale and protocols for background soil sampling.**
- b. A description of soil gas survey will be included in the analytical process.**
- c. A description of methanol and sodium bisulfate preservation will be included for volatile organic compound soil sampling.**
- d. A description of stainless steel sleeves will be included for soil sampling.**

PART VI. CORRECTIVE ACTION

The Permittee shall conduct corrective action at the facility pursuant to Health and Safety Code, section 25200.10. Corrective action shall be carried out under the Corrective Action Consent Agreement **Docket HWCA: P3-06/07-004**. ~~Boeing Satellite Systems is negotiating and will be entering into an agreement with DTSC to implement corrective action at the site. under a Corrective Action Consent Agreement (Consent Agreement).~~ Boeing Satellite Systems will agree to perform any and all work undertaken pursuant to a **that** Consent Agreement.